

September and October Operations Report Forest View Acres Water District

CSI took over operations on September 15th. The bulk of the items that will be mentioned will include not only the last two weeks of September, but up to October 15th as well. Otherwise, the operational report would be very short. It is my belief that there has been too much going on to wait until next month to cover the last two weeks. I will list the following accomplishments since September 15th:

- Problems with the booster station running. Investigation of the booster station and Arapahoe plant by AM West. Adjusted valve that shuts off the booster based on pressure. Found motor minder for the Arapahoe well booster pump weak and “on its way out”. Ordered one to have it replaced.
- Set up MPA for third quarter. Based on the State’s request on the frequency and time frame, this parameter should have been done in the first quarter, yet the monitoring schedule indicated it was due in the fourth quarter. To eliminate a violation, the State said it had to be done in the third quarter this year. Submitted report to CDPHE.
- Completed and transmitted grant request to the State. Grant was approved, yet because the project has been completed, and that the monies are for only “Health and safety”, the monies couldn’t be used for other projects. I had to decline the grant.
- Ordered liquid chlorine for both water plants – it is safer to work with, and is less harmful on electrical equipment and doesn’t plug injectors.
- Plant start up, shut down, and backwash procedures posted at both water plants.
- Installed turbidity monitoring equipment and new chlorine analyzer - found existing chart recorder for analyzer not programmable. *Need to order a single pen chart recorder for the analyzer. The cost to order, install, and calibrate is under \$2,000.00.*
- Sent in quarterly reports to the State – TTHM/Haa5s (they exceeded the MCL and past levels), MRDLs, and lead and coppers (there were three of the ten samples that exceeded the MCL).
- Pressure gauge connection cracked at the Arapahoe plant. Piping had to be replaced in order to start plant.
- Met with Layne Western and AM West to quote the Dawson Well. AM West sent in proposal, Layne Western has yet to send a proposal. Our third business declined. Need to discuss yield, expense and time frame of this project.
- Transmission line break behind the Arapahoe plant. AAA ditching repaired the line. The cost was under \$1,700.00
- Waterline break at Pike View and El Rancho Dr. – AAA Ditching repaired the line with two clamps. The leak occurred because of poor glue joints which is similar to the water line break at the same area in July. The cost was under \$3,900.00. CSI put informed residents regarding break. Only one complaint, and two calls. The repair was made under two hours.

- Phone lines installed at the Arapahoe plant – tank telemetry installed. The operator can now call in to check the tank level at any given time of day.
- A mercury switch pressure gauge was also installed to the telemetry at the Arapahoe plant. This provides an alarm should the booster shut down because of air in the line, power outage, a line break, or not enough water to the booster.
- Installed a pressure relief valve for the chemical pump at the Arapahoe plant. This allows the pump to release air from the tube, and provides continual feed from the chlorine pump.
- Repair work done on the propane heater at the surface water plant. The pilot valve was plugged, the thermostat was corroded, and the thermo coupler is on its way out. The heater needs these parts in order to guarantee a safe and efficient heater. The cost is under \$500.00. *To order the needed parts, will be about \$480.00.*
- Pressure tested and sampled the new line on Red Rock Ranch Reserve. All checked out ok.
- Arapahoe Booster station electrical line cut via the gas line installers. Assumptions were made by the contractor that the line was located, and that they had an "all clear". The fact was, the area was not located. The electrician that repaired the line indicated that the power box did not have a handle on it. It is an accident waiting to happen. Foster Electric will be sending a quote to repair the box handle.
- Cleaned and organized the water plants and booster station.
- Monthly meter readings.
- Cleaned the intake at the surface water plant. Low flows coming into the plant was an indicator there was a problem. The intake was plugged with debris and small rocks.